```
                RAW SEQUENCE LISTING              DATE: 03/04/2002
                PATENT APPLICATION:  US/10/079,075   TIME: 15:26:18

                Input Set : A:\A34001-A sequence listing.txt
                Output Set: N:\CRF3\03042002\J079075.raw

        4 <110> APPLICANT: Ronald C. Montelaro
        5         Timothy A. Mietzner
        7 <120> TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
       10 <130> FILE REFERENCE: A34001-A / 072396.0222
C-->   12 <140> CURRENT APPLICATION NUMBER: US/10/079,075
C-->   13 <141> CURRENT FILING DATE: 2002-02-19
W-->   15 <140> CURRENT APPLICATION NUMBER: 09/785,059
C-->   16 <141> CURRENT FILING DATE: 16/02/01
       18 <160> NUMBER OF SEQ ID NOS: 12
       20 <170> SOFTWARE: FastSEQ for Windows Version 3.0
       22 <210> SEQ ID NO: 1
       23 <211> LENGTH: 28
       24 <212> TYPE: PRT
C-->   25 <213> ORGANISM: Artifical sequence
       27 <220> FEATURE:
       28 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
       30 <400> SEQUENCE: 1
       31  Arg Val Ile Arg Val Val Gln Arg Ala Cys Arg Ala Ile Arg His Ile
       32  1               5                  10                  15
       33  Val Arg Arg Ile Arg Gln Gly Leu Arg Arg Ile Leu
       34              20                  25
       36 <210> SEQ ID NO: 2
       37 <211> LENGTH: 31
       38 <212> TYPE: PRT
C-->   39 <213> ORGANISM: Artifical sequence
       41 <220> FEATURE:
       42 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
       44 <400> SEQUENCE: 2
       45  Arg Val Ile Arg Val Val Gln Arg Ala Cys Arg Ala Ile Arg His Ile
       46  1               5                  10                  15
       47  Val Arg Arg Ile Arg Gln Gly Leu Arg Arg Ile Leu Arg Val Val
       48              20                  25                  30
       50 <210> SEQ ID NO: 3
       51 <211> LENGTH: 31
       52 <212> TYPE: PRT
C-->   53 <213> ORGANISM: Artifical sequence
       55 <220> FEATURE:
       56 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
       58 <400> SEQUENCE: 3
       59  Arg Trp Ile Arg Val Val Gln Arg Trp Cys Arg Ala Ile Arg His Ile
       60  1               5                  10                  15
       61  Trp Arg Arg Ile Arg Gln Gly Leu Arg Arg Trp Leu Arg Val Val
       62              20                  25                  30
```

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PATENT APPLICATION: US/10/079,075   TIME: 15:26:18

Input Set : A:\A34001-A sequence listing.txt
Output Set: N:\CRF3\03042002\J079075.raw

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      64 <210> SEQ ID NO: 4
      65 <211> LENGTH: 12
      66 <212> TYPE: PRT
C--> 67 <213> ORGANISM: Artifical sequence
      69 <220> FEATURE:
      70 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
      72 <400> SEQUENCE: 4
      73  Arg Val Val Arg Val Val Arg Arg Val Val Arg Arg
      74  1               5                   10
      76 <210> SEQ ID NO: 5
      77 <211> LENGTH: 24
      78 <212> TYPE: PRT
C--> 79 <213> ORGANISM: Artifical sequence
      81 <220> FEATURE:
      82 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
      84 <400> SEQUENCE: 5
      85  Arg Arg Val Val Arg Arg Val Arg Arg Val Val Arg Arg Val Val Arg
      86  1               5                   10                  15
      87  Val Val Arg Arg Val Val Arg Arg
      88              20
      90 <210> SEQ ID NO: 6
      91 <211> LENGTH: 36
      92 <212> TYPE: PRT
C--> 93 <213> ORGANISM: Artifical sequence
      95 <220> FEATURE:
      96 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
      98 <400> SEQUENCE: 6
      99  Val Arg Arg Val Val Arg Arg Val Val Arg Val Val Arg Arg Val Val
     100  1               5                   10                  15
     101  Arg Arg Val Arg Arg Val Val Arg Arg Val Val Arg Val Val Arg Arg
     102              20                  25                  30
     103  Val Val Arg Arg
     104          35
     106 <210> SEQ ID NO: 7
     107 <211> LENGTH: 42
     108 <212> TYPE: PRT
C--> 109 <213> ORGANISM: Artifical sequence
     111 <220> FEATURE:
     112 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
     114 <400> SEQUENCE: 7
     115  Arg Arg Val Val Arg Arg Val Arg Arg Val Val Arg Arg Val Val Arg
     116  1               5                   10                  15
     117  Val Val Arg Arg Val Val Arg Arg Val Arg Arg Val Val Arg Arg Val
     118              20                  25                  30
     119  Val Arg Val Val Arg Arg Val Val Arg Arg
     120          35                  40
     122 <210> SEQ ID NO: 8
     123 <211> LENGTH: 48
     124 <212> TYPE: PRT
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                RAW SEQUENCE LISTING              DATE: 03/04/2002
                PATENT APPLICATION:  US/10/079,075    TIME: 15:26:18

                Input Set : A:\A34001-A sequence listing.txt
                Output Set: N:\CRF3\03042002\J079075.raw
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C--> 125 <213> ORGANISM: Artifical sequence
     127 <220> FEATURE:
     128 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
     130 <400> SEQUENCE: 8
     131 Arg Val Val Arg Val Val Arg Arg Val Val Arg Arg Val Arg Arg Val
     132 1   5   10   15
     133 Val Arg Arg Val Val Arg Val Val Arg Arg Val Val Arg Arg Val Arg
     134   20   25   30
     135 Arg Val Val Arg Arg Val Val Arg Val Val Arg Arg Val Val Arg Arg
     136   35   40   45
     138 <210> SEQ ID NO: 9
     139 <211> LENGTH: 12
     140 <212> TYPE: PRT
C--> 141 <213> ORGANISM: Artifical sequence
     143 <220> FEATURE:
     144 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
     146 <400> SEQUENCE: 9
     147 Arg Val Val Arg Val Val Arg Arg Trp Val Arg Arg
     148 1   5   10
     150 <210> SEQ ID NO: 10
     151 <211> LENGTH: 24
     152 <212> TYPE: PRT
C--> 153 <213> ORGANISM: Artifical sequence
     155 <220> FEATURE:
     156 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
     158 <400> SEQUENCE: 10
     159 Arg Arg Trp Val Arg Arg Val Arg Arg Val Trp Arg Arg Val Val Arg
     160 1   5   10   15
     161 Val Val Arg Arg Trp Val Arg Arg
     162   20
     164 <210> SEQ ID NO: 11
     165 <211> LENGTH: 36
     166 <212> TYPE: PRT
C--> 167 <213> ORGANISM: Artifical sequence
     169 <220> FEATURE:
     170 <223> OTHER INFORMATION: Artificial peptide derived from HIV-1
     172 <400> SEQUENCE: 11
     173 Val Arg Arg Val Trp Arg Arg Val Val Arg Val Val Arg Arg Trp Val
     174 1   5   10   15
     175 Arg Arg Val Arg Arg Val Trp Arg Arg Val Val Arg Val Val Arg Arg
     176   20   25   30
     177 Trp Val Arg Arg
     178   35
     180 <210> SEQ ID NO: 12
     181 <211> LENGTH: 48
     182 <212> TYPE: PRT
C--> 183 <213> ORGANISM: Artifical sequence
     185 <220> FEATURE:
     186 <223> OTHER INFORMATION: artificial peptides derived from HIV-1

RAW SEQUENCE LISTING   DATE: 03/04/2002
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Input Set : A:\A34001-A sequence listing.txt
Output Set: N:\CRF3\03042002\J079075.raw

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188 <400> SEQUENCE: 12
189  Arg Val Val Arg Val Val Arg Arg Trp Val Arg Arg Val Arg Arg Val
190   1               5               10              15
191  Trp Arg Arg Val Val Arg Val Val Arg Arg Trp Val Arg Arg Val Arg
192              20              25              30
193  Arg Val Trp Arg Arg Val Val Arg Val Val Arg Arg Trp Arg Val Val
194          35              40              45
201  NY02:370932.1
213  NY02:370932.1
225  NY02:371687.1
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delete

VERIFICATION SUMMARY   DATE: 03/04/2002
PATENT APPLICATION: US/10/079,075   TIME: 15:26:19

Input Set : A:\A34001-A sequence listing.txt
Output Set: N:\CRF3\03042002\J079075.raw

```
L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:15 M:280 W: Numeric Identifier already exists, <140> found multiple times
L:15 M:281 W: Numeric Fields not Ordered, <140> not ordered!.
L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:16 M:280 W: Numeric Identifier already exists, <141> found multiple times
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:16 M:256 W: Invalid Numeric Header Field, Wrong Current FILING DATE:YYYY-MM-DD
L:25 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:39 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:53 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:67 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:79 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:93 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:109 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:125 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:141 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:153 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:167 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:183 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
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